

“Replacement Sheet”

Fig. 9a

Comparative figure of 13K prolamin sequences

RM1. (SEQ ID.3)	1:-----AG--GAAGCATAGTAGTAGAATCCTACAAAAATGAAGATCATTTT
RM4. (SEQ ID.94)	1:--G--CAAA-ATAGAA--AG-ATC-----TAGTGTCCCGCAGCAATGAAGATCATTTT
RM5. (SEQ ID.95)	1:CAATTCAAACATTATAGTTGAAGCATAGTAGTAGAATCCTACAAAAATGAAGATCATTTT
RM7. (SEQ ID.96)	1:-----GAAGCATAGTAGTAGAATCCTACAAAAATGAAGATCATTTT
RM9. (SEQ ID.1)	1:--G--CAAA-AGCATA--AG-AAC-----TAGAAACCCACCACAATGAAGATCATTTT
	* * * *** ** * *****
RM1. (SEQ ID.3)	61:CGTATTTGCTCTCCTTGCTATTGTTGCATGCAA-CGCTTCTGCACGGTTTGATGCTCTTA
RM4. (SEQ ID.94)	61:CGTCTTTGCTCTCCTTGCTATTGCTGCATGCAG-CGCCTCTGCGCAGTTTGAIGTTTTAG
RM5. (SEQ ID.95)	61:CGTATTTGCTCTCCTTGCTATTGTTGCATGCAA-CGCTTCTGCACGGTTTGAIGCTCTTA
RM7. (SEQ ID.96)	61:CGTATTTGCTCTCCTTGCTATTGTTGCATGCAATCGC-TCTGCGCGGTTTGATCCTCTTA
RM9. (SEQ ID.1)	61:CTTCCTTGCTCTCCTTGCTATTGCTGCATGCAG-TGCCTCTGCGCAGTTTGATGCTGTTA
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RM1. (SEQ ID.3)	121:GTCAAAGTTATAGACAATATCAACTACAATCGCATCTCCTGCTACAGCAACAAGTGCTCA
RM4. (SEQ ID.94)	121:GTCAAAGTTATAGGCAATATCAGCTGCAGTCGCCTGTCTGCTACAGCAACAGGTGCTTA
RM5. (SEQ ID.95)	121:GTCAAAGTTATAGACAATATCAACTACAATCGCATCTCCTGCTACAGCAACAAGTGCTCA
RM7. (SEQ ID.96)	121:GTCAAAGTTATAGGCAATATCAACTACAGTCGCATCTCCTACTACAGCAACAAGTGCTCA
RM9. (SEQ ID.1)	121:CTCAAGTTTACAGGCAATATCAGCTGCAGCCGCATCTCATGCTGCAGCAACAGATGCTTA
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RM1. (SEQ ID.3)	181:GCCCATGCAGTGAGTTCGTAAGGCAACAGCATAGCATAGTGGCAACCCCTTCTGGCAAC
RM4. (SEQ ID.94)	181:GCCCATATAATGAGTTCGTAAGGCAGCAGTATGGCATAGCGGCAAGCCCTTCTTGCAAT
RM5. (SEQ ID.95)	181:GCCCATGCAGTGAGTTCGTAAGGCAACAGCATAGCATAGTGGCAACCCCTTCTGGCAAC
RM7. (SEQ ID.96)	181:GCCCATGCAGTGAGTTCGTAAGGCAACAGTATAGCATAGTGGCAACCCCTTCTGGCAAC
RM9. (SEQ ID.1)	181:GCCCATGCGGTGAGTTCGTAAGGCAGCAGTGCAGCACAGTGGCAACCCCTTCTTCCAAT
	***** ***** *** *** ** ***** ***** ***
RM1. (SEQ ID.3)	241:CAGCTACGTTTCAATTGATAAACAACCAAGTCATGCAGCAACAGTGTTGCCAACAGCTCA
RM4. (SEQ ID.94)	241:CAGCTGCGTTTCAACTGAGAAACAACCAAGTC-TG--GCAACA--GCT--C-GC-GCT--
RM5. (SEQ ID.95)	241:CAGCTACGTTTCAATTGATAAACAACCAAGTCATGCAGCAACAGTGTTGCCAACAGCTCA
RM7. (SEQ ID.96)	241:CAGCTACGTTTCAATTGATAAACAACCAAGTCATGCAGCAGCAGTGTTGCCAACAGCTCA
RM9. (SEQ ID.1)	241:CACCCGTGTTTCAACTGAGAAACTGCCAAGTCATGCAGCAGCAGTGCTGCCAACAGCTCA
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“Replacement Sheet”

Fig. 9b

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RM1. (SEQ ID. 3) 301:GGCTGGTAGCGCAACAATCTCACTACCAGGCCATTAGTAGCGTTCAGGCGATTGTGCAGC
RM4. (SEQ ID. 94) 301:GG-TG---GCGCAACAATCTCACTATCAGGACAATAACATTGTTTCAGGCCATAGCGCAGC
RM5. (SEQ ID. 95) 301:GGCTGGTAGCGCAACAATCTCACTACCAGGCCATTAGTAGCGTTCAGGCGATTGTGCAGC
RM7. (SEQ ID. 96) 301:GGCTGGTAGCACAACAATCTCACTACCAGGCCATTAGTATTGTTCAAGCGATTGTGCAAC
RM9. (SEQ ID. 1) 301:GGATGATCGCACAACAGTCTCACTGCCAGGCCATTAGCAGTGTTTCAAGGCTATTGTGCAGC
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RM1. (SEQ ID. 3) 361:AACTACAGCTGCAGCAGGTCGGTGTT-GTCTACTTTGATCAGACTCAAGCTCAAGCTCAA
RM4. (SEQ ID. 94) 361:AGCTACAACCTCCAGCAGTTGGTGATC-TCTACTTTGATCGGAATCTGGCTCAAGCTCAA
RM5. (SEQ ID. 95) 361:AACTACAGCTGCAGCAGGTCGGTGTT-GTCTACTTTGATCAGACTCAAGCTCAAGCTCAA
RM7. (SEQ ID. 96) 361:AGCTACAACCTCCAGCAATTTAGTGGT-GTCTACTTTGATCAGACTCAAGCTCAAGCCAA
RM9. (SEQ ID. 1) 361:AGCTACGGCTACAACAGTTTGGT-AGCGTCTACTTCGATCAGAGTCAAGCTCAAGCCAA
      * **** ** ** ** *  *  ***** ***** ** ** ***** **
RM1. (SEQ ID. 3) 421:GCTTTGCTGGCCTTAAACTTGCCATCCATATGTGGTATCTATCCTAACTACTACATTGCT
RM4. (SEQ ID. 94) 421:GCTCTGTTGGCTTTTAACTGCGCATCTAGATATGGTATCTACCTAGGTACTATGGTGCA
RM5. (SEQ ID. 95) 421:GCTTTGCTGGCCTTAAACTTGCCATCCATATGTGGTATCTATCCTAACTACTACATTGCT
RM7. (SEQ ID. 96) 421:ACTCTGTTGACCTTCAACTTGCCATCCATATGTGGTATCTACCTAACTACTATAGTGCT
RM9. (SEQ ID. 1) 421:GCTATGTTGGCCCTAAACATGCGTCAATATGCGGTATCTACCTAACTACAACACTGCT
      ** ** ** *  * *** ***** ** * ** ***** ** * *** * ***
RM1. (SEQ ID. 3) 481:CCGAGGAGCATTCCACCGTTGGTGGTGTCTGGTACTGAATTGTAATAGTATAATGGTTC
RM4. (SEQ ID. 94) 481:CCCAGTACCATTACCACCGTTGGCGGTGTCTTGTAAATGAGTTTTAACAGTATAGTGGTTC
RM5. (SEQ ID. 95) 481:CCGAGGAGCATTCCACCGTTGGTGGTGTCTGGTACTGAATTGTAATAGTATAATGGTTC
RM7. (SEQ ID. 96) 481:CCCAGGAGCATTGCCACTGTGGTGGTGTCTGGTACTGAATTGTAAACAATATAATAGTTC
RM9. (SEQ ID. 1) 481:CCCTGTAGCATTCCACCGTGGTGGTATCTGGTAATGAATTGTAGCAGTATAGTAGTAC
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RM1. (SEQ ID. 3) 541:AAATGTTAAAAATAAAGTCATGCATCATCATGCGTGAC-AGTTGAAACTTGATGTC-ATA
RM4. (SEQ ID. 94) 541:GGAAGTTAAAAATAAGCTCAGATATCAT-ATATGTGACATG-TGAAACTT-TGGGTGATA
RM5. (SEQ ID. 95) 541:AAATGTTAAAAATAAAGTCATGCATCATCATGCGTGAC-AGTTGAAA-AAAAAA--AAA
RM7. (SEQ ID. 96) 541:GTATGTTAAAAATAAAGTCATACATCATCATGTGTGAC-TGTTGAAACTTAGGGTC-ATA
RM9. (SEQ ID. 1) 541:AGGAGAGAAAAATAAAGTCATGCATCATCGTGTGTGACAAGTTGAAACATCGGGTGATA
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RM1. (SEQ ID. 3) 601:TAAATCTAAAT-AAA-C-TCGTGC-C-----
RM4. (SEQ ID. 94) 601:TAAATAGAAAAAAGTTGTCTTTCATATTTA---
RM5. (SEQ ID. 95) 601:AAA-----
RM7. (SEQ ID. 96) 601:TAAATCTAAATAAATCATCTTAC-CTAAAAA-
RM9. (SEQ ID. 1) 601:CAAATCTGAATAAAATGTCATGCAAGTTTAAAC
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Fig. 14A

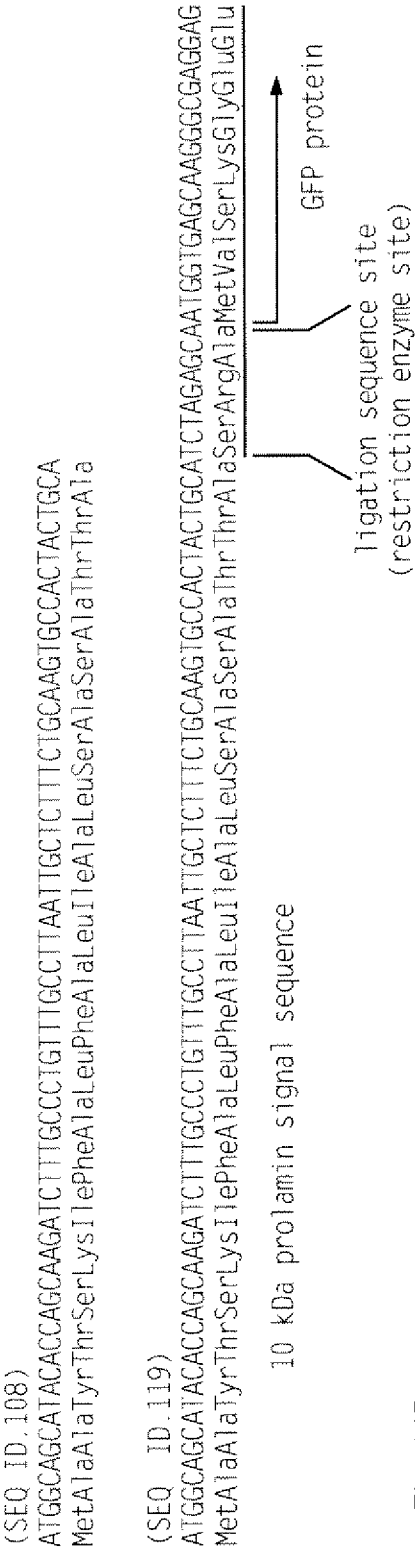


Fig. 14B

